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MATERIAL SAFETY DATA SHEET

1-PRODUCT INFORMATION

PRODUCT: Modified expanded polystyrene

SYNONYMS: Modified EPS

PRODUCT GRADES: 1.0, 1.25, 1.5, 2.0, 3.0 pound densities

CHEMICAL FAMILY: Polystyrene thermoplastic polymer

CAS REGISTRY NO: 9003-53-6

CAS NAME: Benzene, Ethenyl, Homopolymer

FORMULA: (C₈ H₈)_x

TSCA INVENTORY STATUS: Listed

CONTACT: Houston Foam Plastics
2019 Brooks St.
Houston, TX 77026-7297

CHEMTREC: (800) 424-9300

2-INGREDIENTS

HAZARDOUS COMPONENTS	CAS REGISTRY NO:	APPROX. WEIGHT %:
Pentanes	109-66-0	2.0% Max
Flame retardants as Halogenated organics	N/A	0.9% Max
NONHAZARDOUS COMPONENTS:	CAS REGISTRY NO:	APPROX. WEIGHT%:
Polystyrene	9003-53-6	95.5% Min
Plasticizers	N/A	0.4% Max
External & Internal Lubricants	N/A	0.3 % Max

3-PHYSICAL DATA

FORM: Rigid Board
COLOR: White
ODOR: None
BOILING POINT: N/A
MELTING POINT: softens and expands
at 200° F to 215° F
SPECIFIC GRAVITY: Apparent density
1.0-3.0 pof

VAPOR PRESSURE: N/A
VOLATILES BY VOLUME: 2.0% Max
VAPOR DENSITY (Air = 1): N/A
EVAPORATION RATE: None
SOLUBILITY IN WATER: Insoluble

4-FIRE & EXPLOSION DATA

FLASH PT. AND METHOD USED: 675° F (ASTM D-1929)
SPECIAL FIRE FIGHTING INSTRUCTIONS: Use approved self-contained breathing apparatus respirator and approved personal protective clothing.
EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, and dry chemical
AUTOIGNITION TEMPERATURE: 880° F
UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire gives off dense black smoke.

6-HEALTH HAZARDS & FIRST AID

EYE CONTACT: None
SKIN CONTACT: None
INGESTION: Biologically inert. Extremely unlikely route of entry
SYSTEMIC & OTHER EFFECTS: None
MEDICAL CONDITIONS AGGRAVATED: None known
SAFETY PRECAUTIONS: Do not smoke or eat in process area. Avoid spark producing equipment, material handling devices, open flames, and high temperatures. Provide and assure proper electrostatic bonding and grounding of process handling equipment.
FIRST AID:
EYES: Irrigate with water to wash out particles
SKIN: Wash with soap and water to remove particles
INGESTION: Notify medical personnel
TOXICITY DATA:
DERMAL: None
CARCINOGENICITY: None

7-EMPLOYEE PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:
RESPIRATORY PROTECTION: Dust mask needed when fabricating with saws or grinding equipment.
SKIN PROTECTION: None under normal conditions.
EYE PROTECTION: ANSI-approved safety glasses with side shields, when fabricating with saw or grinding equipment.

GENERAL CONTROL MEASURES: Use positive ventilation when fabricating with hot-wire equipment.

8-ENVIRONMENTAL HAZARDS & PROTECTION

ENVIRONMENTAL HAZARDS: Sewer/waterway obstruction, fish and birds may eat product and obstruct their digestive tract.

REPORTABLE QUANTITY: None (not regulated)

DISPOSAL METHOD: Recycle, incinerate, or landfill per local and state regulations.

9-ADDITIONAL INFORMATION

TRANSPORTATION REQUIREMENTS: Not a D.O.T. "Hazardous Material"

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